Claims

1. An apparatus comprising:

    at least one processor;

    a memory coupled to the at least one processor;

    a computer program residing in the memory, said computer program including a object reference server mechanism, said object reference server mechanism delivering an object reference for a naming object to a remote second apparatus upon request of said second apparatus.
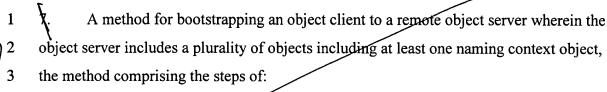
2. The apparatus of claim 1 wherein said object reference server mechanism comprises a web server.

3. The apparatus of claim 1 wherein said second apparatus comprises a web browser.

4. The apparatus of claim 2 wherein said object reference is stored in a web server directory.

5. The apparatus of claim 1 wherein said object reference comprises a stringified object reference.

6. The apparatus of claim 1 wherein said object reference comprises a stringified object reference and wherein said naming object comprises a root naming context object.

1 7.   A method for bootstrapping an object client to a remote object server wherein the
2 object server includes a plurality of objects including at least one naming context object,
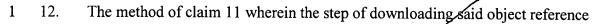3 the method comprising the steps of:
4   a) creating an object reference for said at least one naming context object;
5   b) storing said object reference in a object reference server directory;
6   c) downloading said object reference from said object reference server directory to
7 an object client when said object client attempts to access objects on said remote object
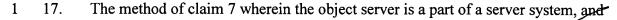8 server.

1 8.   The method of claim 7 wherein the step of creating an object reference comprises
2 creating a stringified object reference.

1 9.   The method of claim 7 wherein said naming context object comprises a root
2 naming context object.

1 10.   The method of claim 7 wherein said object server directory comprises a web
2 server directory.

1 11.   The method of claim 7 wherein said object client comprises a web browser and
2 wherein the step of downloading said object reference from said object reference server
3 directory comprises downloading by a web server application.

1 12.   The method of claim 11 wherein the step of downloading said object reference
2 from said object reference server directory comprises downloading a uniform resource
3 locator for said object reference to said web browser and said web browser requesting
4 said object reference using said uniform resource locator from said web server
5 application.

1 13.   The method of claim 12 wherein the step of downloading a uniform resource
2 locator for said object reference comprises downloading the uniform resource locator as
3 part of a Java applet.

1 14.   The method of claim 12 wherein the step of downloading a uniform resource
2 locator for said object reference comprises downloading the uniform resource locator part
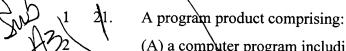3 of a Java Object Request Broker.

1 15.   The method of claim 7 wherein said object client comprises a Java-enabled web
2 browser.

1 16.   The method of claim 7 wherein said object client comprises a Java-enabled web
2 browser containing a CORBA compliant Java Object Request Broker.

1   17.   The method of claim 7 wherein the object server is a part of a server system, and

2   wherein said server system further includes a location service application, and wherein

3   said object reference server comprises a web server application in said server system.

1   18.   The method of claim 17 wherein the object server includes a name object server.

1   19.   The method of claim 7 wherein the object reference server comprises a web server

2   and the object client comprises a web browser and further comprising the steps of:

3   downloading an applet from said web server to said web browser and running said

4   applet on said web browser;

5   downloading an object request broker from said web server;

6   requesting said object reference from said web server; and

7   retrieving a proxy for said naming context object using said retrieved object

8   reference.

1   20.   The method of claim 19 wherein the step of downloading said object request

2   broker comprises downloading the class of said object request broker from the web

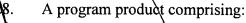3   server.

1 21. A program product comprising:

2 (A) a computer program including a object reference server mechanism, said

3 object reference server mechanism delivering an object reference for a naming object to a

4 remote apparatus upon request of said apparatus; and

5 (B) signal bearing media bearing said object reference server mechanism.

1 22. The program product of claim 21 wherein the signal bearing media comprises

2 recordable media.

1 23. The program product of claim 21 wherein the signal bearing media comprises

2 transmission media.

1 24. The program product of claim 21 wherein said apparatus comprises a remote web

2 browser.

1 25. The program product of claim 21 wherein said object reference server mechanism

2 comprises a web server having access to said object reference.

1 26. The program product of claim 21 wherein said object reference comprises a

2 stringified object reference.

1 27. The program product of claim 21 wherein said object reference comprises a

stringified object reference of a root naming context object.

1   28.   A program product comprising:

           (A) a applet, said applet including an object reference uniform resource locator for

2

3   retrieving an object reference for a naming object from a server apparatus; and

4   (B)   signal bearing media bearing said applet.

1   29. The program product of claim 28 wherein the signal bearing media comprises

2   recordable media.

1   30. The program product of claim 28 wherein the signal bearing media comprises

2   transmission media.

1   31. The program product of claim 28 wherein the signal bearing media comprises the

2   Internet.

1   32. The program product of claim 28 wherein said server apparatus comprises a web

2   server having access to said object reference.

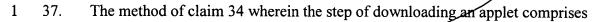|		
1	38.	An apparatus comprising:
2		at least one processor;
3		a memory coupled to the at least one processor;
4		a server system, said server system comprising:
5		a) at least one object server, said at least one object server including a
6		naming context object;
7		b) a web server, said web server having access to a stringified object
8		reference for said naming context object, wherein said web server
9		downloads said stringified object reference to a web browser when said
10		stringified object reference is requested by said web browser.

1 34.   A method for bootstrapping an object client to a remote object server wherein the
2 object server includes a plurality of objects including at least one naming context object,
3 the method comprising the steps of:
4   a) creating an object reference for said at least one naming context object;
5   b) storing said object reference in a web server directory;
6   c)downloading an applet from a web server to a web browser and running said
7 applet on said web browser;
8   d) downloading an object request broker from said web server;
9   e) requesting said object reference from said web server; and
10   f) retrieving a proxy for said naming context object using said retrieved object
11 reference.

1 35.   The method of claim 34 wherein the object request broker comprises a Java object
2 request broker.

1 36.   The method of claim 34 wherein the object reference comprises a stringified
2 object reference.

1   37.   The method of claim 34 wherein the step of downloading an applet comprises

2   downloading a uniform resource locator to said object reference and wherein the step of

3   requesting said object reference from said web server comprises passing said uniform

4   resource locator to said web server.

1   38.   The method of claim 34 wherein the step of downloading an object request broker

2   from said web server comprises downloading an uniform resource locator to said object

3   reference and wherein the step of requesting said object reference from said web server

4   comprises passing said uniform resource locator to said web server.

1   39.   The method of claim 34 wherein the step of downloading an object request broker

2   comprises downloading a java object request broker.

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